

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 2003/002072

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04B 7/06, H04B 7/08  
According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04B, H01Q, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5515378 A (ROY, III ET AL), 7 May 1996 (07.05.1996), column 5, line 65 - column 10, line 21, figure 9 --	1-25
A	US 5886988 A (YUN ET AL), 23 March 1999 (23.03.1999), column 4, line 56 - column 7, line 17 --	1-25
A	WO 03041283 A2 (EFFICIENT SPECTRUM, INC.), 15 May 2003 (15.05.2003), the claims --	1-25

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance  
"E" earlier application or patent but published on or after the international filing date  
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  
"O" document referring to an oral disclosure, use, exhibition or other means  
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  
"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  
"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  
"&" document member of the same patent family

Date of the actual completion of the international search

4 August 2004

Date of mailing of the international search report

10-08-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Aerospace and Electronic Systems, IEEE Transactions on pages 2-12, Haimovich, A.M, Berin, M.O., Teti, Jr. "A sampling-based approach to wideband interference cancellation", Publication date: Jan.1998, Vol. 34, Issue 1 Inspec Accession Number 5812107, abstract  --	1-25
A	EP 1063790 A1 (ALCATEL), 27 December 2000 (27.12.2000), abstract  -- -----	1-25

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